

interior of the Middle Atlantic States, 4,306; South Atlantic coast, 4,587; Gulf coast 5,120; Ohio and Lower Mississippi valleys, Tennessee and the interior of the Gulf and South Atlantic States, 3,359; Lower Lake region, 4,963; Upper Lake region, 5,675; Upper Mississippi valley, 4,991; Missouri valley, 5,386.

NAVIGATION.

On chart No. III is given a table of the highest and lowest water-marks during the month. The Red river has continued falling during the entire month, and was remarkably low at its close, rendering navigation difficult. The Lower Missouri, Mississippi and Ohio rivers experienced slight changes, and were lower at the end of the month than at the beginning. The Cumberland at Nashville fell steadily until the 22nd, when it was very low, but rose sixteen feet during the last week. The only freshets reported were in southern New England, resulting from the heavy rains of the 8th and 9th.

TEMPERATURE OF WATER.

Upon chart No. III will be found a table giving the maximum and minimum temperatures, at the bottom, at stations on the coast, lakes and rivers. The average range has been: in the Upper Lakes, 11°; in Lake Erie, 12°; in the Upper Mississippi, 14°; in the Lower Missouri, 7°; in the Ohio, 15°; on the South Atlantic coast, 11°; on the Middle Atlantic coast, 7°; on the New England coast, 7°.

For the purpose of comparing the temperatures of water and air, (observations made at 3 P M., daily,) the following table of averages is added:

AUGUST, 1874. Average temperatures.	New England coast.	Middle Atlantic coast.	South Atlantic coast.	Gulf coast.	Lake Erie.	Alpena, (Lake Huron.)	Lake Michigan.	Lake Superior.	Ohio river.	Cumberland, (Nashville.)	Upper Mississippi.	Lower Missouri.	San Francisco.
Maximum of Water	62°	78°	85°	90°	79°	73°	72°	57°	88°	84°	83°	81°	61°
Maximum of Air	81	93	95	100	90	83	91	87	99	104	98	103	71
Minimum of Water.....	55	70	74	80	67	64	60	56	73	73	71	74	58
Minimum of Air	48	55	61	73	49	45	50	54	56	66	59	56	51

ELECTRICAL PHENOMENA.

In addition to thunder-storms spoken of under previous headings, there were strong ground-currents on the telegraph line connecting Colorado Springs with the summit of Pike's Peak, Colorado, on the evening of the 1st. Frequent lightning was observed on the same line during the month. On the 3d heavy snow accompanied a heavy thunder-